

Title (en)  
Yarn processing nozzle

Title (de)  
Garnverarbeitungsdüse

Title (fr)  
Buse de traitement de fil

Publication  
**EP 1818433 B1 20110810 (EN)**

Application  
**EP 07002648 A 20070207**

Priority  
• JP 2006063314 A 20060210  
• JP 2006314829 A 20061025

Abstract (en)  
[origin: EP1818433A1] A yarn processing nozzle which reduces deposits on the nozzle to provide high productivity is disclosed. The nozzle is provided with a core having an inlet end, an outlet end, a yarn channel penetrating the core from the inlet end to the outlet end, which is capable of having the yarns running therein, and an injection duct opening into the yarn channel for supplying the jet around the yarns; a coating consisting essentially of an inorganic solid matter of carbon or carbon compounds, the coating being coated on the inlet end, the outlet end, and an internal surface of the yarn channel of the core; and a nozzle housing air-tightly supporting the core.

IPC 8 full level  
**D02G 1/16** (2006.01); **D02J 1/08** (2006.01)

CPC (source: EP KR)  
**D02G 1/16** (2013.01 - KR); **D02G 1/162** (2013.01 - EP); **D02G 1/165** (2013.01 - EP); **D02J 1/00** (2013.01 - KR); **D02J 1/06** (2013.01 - EP); **D02J 1/08** (2013.01 - EP)

Citation (examination)  
US 7237308 B2 20070703 - DIXON MICHAEL D [US], et al

Cited by  
CN103938331A; CN115003869A; US10132010B2; US10132006B2; US9909240B2; US11066765B2; US8726474B2

Designated contracting state (EPC)  
CH DE IT LI

DOCDB simple family (publication)  
**EP 1818433 A1 20070815; EP 1818433 B1 20110810**; CN 101016666 A 20070815; CN 101016666 B 20100519; JP 2007239169 A 20070920; JP 5249510 B2 20130731; KR 100795575 B1 20080121; KR 20070081450 A 20070816; TW 200738925 A 20071016; TW I339224 B 20110321

DOCDB simple family (application)  
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